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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

FRENCH et al.

Serial No.: 10/830,166

Filed: April 21, 2004

Atty. File No.: 2060-96

For: "GEOGRAPHICALLY DISTRIBUTED  
ENVIRONMENTAL SENSOR SYSTEM"

**Mail Stop: Amendments**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

) Group Art Unit: 2855

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) Examiner: Not Yet Assigned

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**INFORMATION DISCLOSURE  
STATEMENT**

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<p style="text-align: center;">CERTIFICATE OF MAILING</p> <p>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313 ON THIS <u>24</u> DAY OF <u>August</u>, 2004.</p> <p style="text-align: right;">SHERIDAN ROSS P.C.</p> <p>BY <u>Chasity C. Rossum</u> Chasity C. Rossum</p>
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Sir:

The references cited on attached Form PTO-1449 are being called to the attention of the Examiner.

- ☒ Copies of the cited foreign patents and/or non-patent references are enclosed herewith.
- ☒ Copies of the cited U.S. patents and/or U.S. patent application publications are not enclosed

in accordance with the waiver dated July 11, 2003, whereby patent applications filed after June 30, 2003 and international applications that have entered the national stage under 35 U.S.C. § 371 after June 30, 2003 need not submit copies of U.S. patents and U.S. patent application publications.

- ☐ Are not enclosed, in accordance with 37 C.F.R. 1.98(d), because the references were submitted to the U.S. Patent and Trademark Office in prior application Serial No. \_\_\_\_\_ filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

☐ To the best of applicants' belief, the pertinence of the foreign-language references are believed to be summarized in the attached English abstracts and in the figures, although applicants do not necessarily vouch for the accuracy of the translation.

☐ Examiner's attention is directed to the following co-pending application(s) for which priority is not being claimed, copies have been or are being submitted:

Serial No. \_\_\_\_\_ filed \_\_\_\_\_ (Atty. Dckt. No. \_\_\_\_\_)

☐ Examiner's attention is directed to the following co-pending application(s), to which the current application claims priority, copies of at least the claims for such pending application are provided or have been provided:

Serial No. \_\_\_\_\_ filed \_\_\_\_\_ (Atty. Dckt. No. \_\_\_\_\_)

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

#### FEES

<input checked="" type="checkbox"/>	<p><b>37 CFR 1.97(b):</b> No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith satisfies one of the following conditions ("X" indicates satisfaction):</p> <div style="margin-left: 40px;"> <input type="checkbox"/> Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or  <input type="checkbox"/> Within three months of the date of entry into the national stage of an international application as set forth in 37 CFR 1.491 or  <input checked="" type="checkbox"/> Before the mailing date of a first Office Action on the merits, or  <input type="checkbox"/> Before the mailing of a first Office action after the filing of a Request for Continued Examination (RCE) under 37 CFR 1.114.         </div> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input type="checkbox"/>	<p><b>37 CFR 1.97(c):</b> The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of one of the following conditions:</p> <div style="margin-left: 40px;">           (1) a final action under 37 C.F.R. 1.113 or            (2) a notice of allowance under 37 C.F.R. 1.311, or            (3) an action that otherwise closes prosecution in the application.         </div> <p>This Information Disclosure Statement is accompanied by:</p> <div style="margin-left: 40px;"> <input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.         </div> <p style="text-align: center;">OR</p> <div style="margin-left: 40px;"> <input type="checkbox"/> A check in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.         </div>
<input type="checkbox"/>	<p><b>37 CFR 1.97(d):</b> This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <div style="margin-left: 40px;"> <input type="checkbox"/> This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)         </div> <p style="text-align: center;">AND</p> <div style="margin-left: 40px;"> <input type="checkbox"/> Applicants hereby requests consideration of the reference(s) disclosed herein. Enclosed is the fee in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.         </div> <p>Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.</p>

**Certification (37 C.F.R. 1.97(e))**  
(Applicable only if checked)

☐ The undersigned certifies that:

☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).

☐ A copy of the communication from the foreign patent office is enclosed.

OR

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

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August 24, 2004

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SHEET 1 OF 2

FORM PTO-103 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 2060-96	SERIAL NO. 10/830,166
	APPLICANT FRENCH et al.	
	FILING DATE April 21, 2004	GROUP ART 2855

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1	5,420,424	5/30/1995	Camahan, et al.	250	287	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	2	Barnett et al; "Determination of Parts-per-Trillion Levels of Chlorate, Bromate, and Iodate by Electrospray Ionization/High-Field Asymmetric Waveform Ion Mobility Spectrometry/Mass Spectrometry"; <i>Applied Spectroscopy</i> ; (1999) Vol. 53, No. 11; pp. 1367-1374
	3	Camahan et al.; "Development and Applications of a Transverse Field Compensation Ion Mobility Spectrometer"; <i>Mines Safety Appliances Company</i> , (date unknown) 20 pp.
	4	Camahan et al.; "Field Ion Spectrometry - A New Analytical Technology for Trace Gas Analysis"; <i>ISA</i> ; (1996) Paper #96-009; pp. 87-96
	5	Carter et al.; "Emergence of Real Casualties During Simulated Chemical Warfare Training Under High Heat Conditions"; <i>Military Medicine</i> ; (December 1985) Vol. 150, No. 12; pp. 657-663
	6	Cole; "Heat Stroke During Training with Nuclear, Biological, and Chemical Protective Clothing: Case Report"; <i>Military Medicine</i> , (July 1983) Vol. 148; pp. 624-625
	7	DeVol et al.; "Isotopic Analysis of Plutonium Using a Combination of Alpha and Internal Conversion Electron Spectroscopy", <i>Journal of Radioanalytical and Nuclear Chemistry</i> ; (2002) Vol. 254, No. 1; pp. 71-79

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	ATTY. DOCKET NO. 2060-96	SERIAL NO. 10/830,166
	APPLICANT FRENCH et al.	
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8	DeVol et al.; "Extractive Scintillating Resin for <sup>99</sup> Tc Quantification in Aqueous Solutions" <i>Journal of Radioanalytical and Nuclear Chemistry</i> , (2001) Vol. 249, No. 1; pp. 181-189
9	Guevremont et al.; "Atmospheric Pressure Ion Focusing in a High-Field Asymmetric Waveform Ion Mobility Spectrometer"; <i>Review of Scientific Instruments</i> ; (February 1999) Vol. 70, No. 2; pp. 1370-1383
10	Guevremont et al.; "High Field Asymmetric Waveform Ion Mobility Spectrometry-Mass Spectrometry: An Investigation of Leucine Enkephalin Ions Produced by Electrospray Ionization"; <i>American Society for Mass Spectrometry</i> ; (1999) Vol. 10; pp. 492-501
11	Guevremont et al.; "Ion Trapping at Atmospheric Pressure (760 Torr) and Room Temperature with a High-Field Asymmetric Waveform Ion Mobility Spectrometer"; <i>Elsevier Science, International Journal of Mass Spectrometry</i> ; (1999) Vol. 193; pp. 45-56
12	Hughes et al.; "On-line Gross Alpha Radiation Monitoring of Natural Waters with Extractive Scintillating Resins" <i>Elsevier Science, Nuclear Instruments and Methods in Physics Research, Section A</i> , (2003) 505; pp. 435-438
13	Matthew et al., "Integration of a Heat Strain Prediction Model with Army Weather Data Resources"; <i>U.S. Army Research Institute of Environmental Medicine</i> , (date unknown) pp. 479-485
14	Matthew et al., "Integration of Weather Effects Models with Real-Time Physiological Measurements in the Dismounted Infantry Battlespace"; <i>U.S. Army Research Institute of Environmental Medicine</i> ; (date unknown) pp. 653-660
15	Miller et al.; "A MEMS Radio-Frequency Ion Mobility Spectrometer for Chemical Vapor Detection"; <i>Elsevier Science, Sensors and Actuators, Section A</i> ; (2001) 91; pp. 307-318
16	Purves et al.; "Electrospray Ionization High-Field Asymmetric Waveform Ion Mobility Spectrometry - Mass Spectrometry"; <i>Analytical Chemistry</i> ; (July 1, 1999) Vol. 71; pp. 2346-2357
17	Purves et al.; "Mass Spectrometric Characterization of a High-Field Asymmetric Waveform Ion Mobility Spectrometer"; <i>Review of Scientific Instruments</i> ; (December 1998) Vol. 69, No. 12; pp. 4094-4105
18	Santee et al.; "Effects of Meteorological Parameters on Adequate Evaluation of the Thermal Environment"; <i>J. Therm. Biol.</i> ; (1994) Vol. 19, No. 3; pp. 187-198
19	Stauffer et al.; "A Field-Coherence Technique for Meteorological Field-Program Design for Air Quality Studies. Part I: Description and Interpretation"; <i>Journal of Applied Meteorology</i> , (March 2000) Vol. 39; pp. 297-316
20	Stauffer et al.; "Multiscale Four-Dimensional Data Assimilation"; <i>Journal of Applied Meteorology</i> ; (March 1994) Vol. 33, pp. 416-434
21	Tanrikulu et al.; "A Field-Coherence Technique for Meteorological Field-Program Design for Air Quality Studies. Part II: Evaluation in the San Joaquin Valley"; <i>Journal of Applied Meteorology</i> , (March 2000) Vol. 39, pp. 317-334

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